

Amendments to the Specification

Please replace the paragraph at page 38, lines 2 through 13 with the following amended paragraph:

~~The invention relates to a~~ A method of controlling the temperature of a specimen by using induction heating. ~~The~~ includes the specimen that is either fixed to a carrier or is in liquid form in contact with a carrier with fixed capture probes. The carrier is removably placed in, on, or under a support member ~~comprising~~ including a conducting material, and the method ~~comprising~~ includes a step of subjecting the solid support to an oscillating magnetic field. ~~The invention also~~ Another embodiment relates to the solid support member in combination with a carrier and the use of it. The specimen is preferably a biological specimen and the carrier and support member are preferably a microscope slide and a cartridge, respectively. In ~~a second aspect~~ another embodiment of the method, ~~the invention relates to a~~ method ~~of~~ includes controlling the temperature of a specimen or a capture probe for a specimen fixed onto micro beads, where the beads being sufficiently small to be flowable in a liquid fluid, preferably water or a specimen in liquid form. The beads ~~comprise~~ include electrically conducting material and are placed in a liquid, and the method includes the step of carrying the micro beads through an oscillating magnetic field for generating heat.